

**IOWA**

# UNIVERSITY OF IOWA COLLEGE OF DENTISTRY FALL DENTAL REVIEWS

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**10.08.21**

**College of Dentistry | Continuing Dental Education**

**Presented by: Dr. Leonardo Marchini, Dr. Michael Kanellis, Dr. Brian Howe,  
Dr. Ahmed Mahrous and Dr. Amira Elgreatly**

All courses will be held at the College of Dentistry, Galagans B/C Auditorium  
Please register before 09.24.21 | 6.5 hours relicensure credit/Lecture course

# UNIVERSITY OF IOWA COLLEGE OF DENTISTRY FALL DENTAL REVIEWS OCTOBER 8, 2021

COLLEGE OF  
DENTISTRY,  
GALAGANS B/C  
AUDITORIUM

## Presented by:

Dr. Leonardo Marchini,  
Dr. Michael Kanellis,  
Dr. Brian Howe,  
Dr. Ahmed Mahrous and  
Dr. Amira Elgreatly

## FEES:

Dentist \$295;  
Assistant/Hygienist/  
Technician \$175

## CE CREDIT:

6.5 hours relicensure  
credit/Lecture course

## REGISTRATION

### New process for 2021

Please visit [bit.ly/COD-CE](http://bit.ly/COD-CE) to register for this Friday course. If you have questions about this new electronic registration process or need assistance processing your registration, please call the College of Dentistry at 319-467-4206.

PLEASE REGISTER BEFORE  
**SEPTEMBER 24, 2021**

## THE PROGRAM AND OBJECTIVES

This fast-paced conference will present four different dental topics. It is designed to be informative and stimulating.

## PROGRAM FACULTY



**DR. LEONARDO MARCHINI, DDS, MSD, PHD**, teaches pre-doctoral and grad students in the Geriatrics and Special Needs Program and treats patients in the Faculty General Practice at the University of Iowa College of Dentistry and Dental Clinics. He acts as a general practitioner since his graduation in 1996, with an emphasis in prosthodontics and geriatric dentistry. His current research focus includes investigation of factors affecting geriatric oral diseases, conditions and dental treatments; and patients' satisfaction with dental care. He is also interested in researching about the best way to teach dentistry, with particular interest to geriatric dentistry teaching.



**DR. MICHAEL KANELIS, DDS, MS**, is Associate Dean of Clinics at the University of Iowa College of Dentistry and Dental Clinics. During the COVID-19 pandemic he was responsible for coordinating efforts within the college, designed to protect the safety of patients, faculty, staff and students. Dr. Kanellis joined the College of Dentistry in 1994 following thirteen years in private practice. Dr. Kanellis' teaching responsibilities include both didactic and clinical predoctoral and postdoctoral education.



**DR. BRIAN J. HOWE, DMD, MS**, attended Tufts University School of Dental Medicine where he received his DMD in 2006. After graduation, he practiced general dentistry in Madison, WI. He later enrolled in a master's of Oral Science program at the University of Iowa College of Dentistry and Dental Clinics in the Department of Oral Pathology, Radiology, and Medicine, graduating in 2013. He subsequently joined the University of Iowa College of Dentistry and Dental Clinics as a Clinical Assistant Professor in the Department of Family Dentistry. He teaches pre-doctoral students in the student clinics as well as directing the Treatment Planning and Clinical Practice and Professionalism courses. He was a Group Leader, overseeing competency and mentoring of fourth year dental students in the Department of Family Dentistry until 2019 when he was appointed as the Director of Clinics for the University of Iowa College of Dentistry and Dental Clinics. Dr. Howe continues to practice general dentistry in the College's Faculty Practice.



**DR. AHMED MAHROUS, BDS, MS**, is a clinical assistant professor at the University of Iowa College of Dentistry and Dental Clinics. Dr. Mahrous completed his bachelor's degree in dentistry from Pharos University and completed his prosthodontics certificate and a MS in oral science from the University of Iowa College of Dentistry. Dr. Mahrous teaches in all areas of prosthodontics at the University of Iowa College of Dentistry including digital dentistry, fixed, removable and implant prosthodontics. He has been awarded the faculty of year award for three consecutive years at the University of Iowa College of Dentistry, as well as the junior faculty award by the American College of Prosthodontists (ACP). Dr. Mahrous holds office at the American Dental Education Association (ADEA) as the secretary of the prosthodontics section as well as the Council of Faculty representative of the University of Iowa Section.



**DR. AMIRA ELGREATLY, BDS, MS**, received her DDS from Pharos University College of Dentistry. In 2017, she completed her MS in oral science and a certificate in Operative Dentistry from the University of Iowa College of Dentistry and Dental Clinics. She is now a clinical assistant professor in the Department of Operative Dentistry. In 2021, she completed a Certificate in the College of Teaching at the University of Iowa College of Education. Dr. Elgreatly provides comprehensive patient care in the faculty general practice clinic. Dr. Elgreatly's research is focused on implementing digital dentistry in dental education and clinical practice, as well as, caries research with the focus of initial caries lesions. Dr. Elgreatly is the Chair-Elect of the ADEA Dental Anatomy and Occlusion Section.

# PROGRAM SCHEDULE

## 8:45 AM | REGISTRATION

College of Dentistry, First Floor

## 9:15 AM | WELCOME AND OPENING REMARKS

### 9:20 – 10:45 AM

#### ASSESSING THE RISK OF RAPID ORAL HEALTH DETERIORATION AMONG OLDER ADULTS: THE ROHD CONCEPT

Dr. Leonardo Marchini

This program will present a simple, clear framework for clinical decision making for the dental treatment of older adult patients with complex health histories.

**At the completion of this presentation, the participants should be able to:**

- Describe the most common social, general health and oral health risk factors for ROHD; and
- Describe how to use this information for effective dental treatment planning for frail and functionally dependent older adults.

## 10:45 – 11:00 AM | BREAK

### 11:00 – 12:15 PM

#### THE EVIDENCE-BASED POWER OF COMPASSION

Dr. Leonardo Marchini

This program will present the current scientific evidence that shows how providing compassionate care is a requirement for achieving excellence in health care services, especially in dental care.

**At the completion of this presentation, the participants should be able to:**

- Describe the current scientific evidence that shows how providing compassionate care is a requirement for achieving excellence in health care services; and
- Apply principles of communication to enhance their compassion skills with patients.

## 12:15 – 1:00 PM | LUNCH

### 1:00 – 2:30 PM

#### THE IOWA AEROSOL STUDY – CONTROLLING RESPIRABLE BIOAEROSOLS IN A DENTAL ENVIRONMENT

Dr. Michael Kanellis

During the summer of 2020, in the midst of the COVID-19 pandemic, the College of Dentistry conducted an aerosol study in cooperation with the College of Public Health and the University's Environmental Health and Safety Office. The purpose of the study was to determine how much aerosol was being created during routine dental procedures, and what mitigation strategies would be the most effective at controlling it. Findings from this study allowed the College of Dentistry to return to full capacity for patient care in August 2020, with confidence that patient safety could be assured.

**At the completion of this presentation, the participants should be able to:**

- Discuss the difference between aerosol splatter and respirable aerosol generated during dental procedures, along with the risk of each;
- Explain which standard dental procedures create the most aerosol;
- Describe the efficacy of various aerosol mitigation strategies including extra-oral suctions, intra-oral suctions, Isovacs, and countertop HEPA filters; and
- Recognize strategies for mitigation respirable aerosols generated both in closed operatories and in open clinic spaces.

## 2:30 – 2:45 PM | BREAK

### 2:45 – 4:30 PM

#### ARTIFICIAL INTELLIGENCE AND AUGMENTED REALITY: THE FUTURE OF DENTISTRY AND EDUCATION

Dr. Brian Howe, Dr. Ahmed Mahrous and Dr. Amira Elgreatly

Imagine practicing where an Artificial Intelligence (AI) Electronic Health System helps you treatment plan by producing a report after reading your patient's x-rays and lets you know where the decay, periodontal disease and/or pathology may be located before you even sit down with the patient. Artificial Intelligence (AI) and Augmented Reality (AR) are already a large part of our everyday lives from how we shop, communicate, and receive healthcare among many other things. This lecture will look at how dentistry is currently using AI and AR and what the future of dentistry will look like using these technologies. We will also examine how AI and AR will be used in teaching the next generation of dental students to prepare them for the future of dental practice.

**At the completion of this presentation, the participants should be able to:**

- Describe how AI and AR are used to enhance the practice of dentistry and dental education;
- Identify how these technologies are being developed to integrate into their practice to improve patient care; and
- Explain the trends in AI and AR research and dental education that will improve patient care in the clinic.

## 4:30 PM | ADJOURN



PREVIEW OF COURSES  
[dentistry.uiowa.edu/ce](https://dentistry.uiowa.edu/ce)

# GENERAL INFORMATION

The College of Dentistry will make every reasonable effort to assure that requested continuing education programs are provided, but assumes no liability for failure to deliver beyond the refunding of any fees paid to The University of Iowa. The University of Iowa reserves the right to limit registration to the size of the available classroom or clinical space. Sponsorship of this course does not imply subject matter, product or technical endorsement. This material is offered to the profession for educational and informational purposes in a spirit of academic freedom.

**PRE-REGISTRATION:** Pre-registration is recommended at least two weeks before course date – September 24, 2021.

**REGISTRATION OPTIONS:** Due to the closing of the UI Center for Conferences, we have to alter our registration process and are now going fully electronic for all CE registrations moving forward. All registrations must be completed online at [bit.ly/COD-CE](http://bit.ly/COD-CE). If you have questions about this new process or need assistance processing your registration, please call the College of Dentistry at 319-467-4206.

✦ **Online registration** at [bit.ly/COD-CE](http://bit.ly/COD-CE)

**CANCELLATIONS/REFUNDS:** Fees paid will be refunded less a \$55 per person processing fee following notice of cancellation. Refunds will not be granted for cancellations received after the course begins. For registrations charged to your credit card, the refund will be credited to your account. If insufficient enrollment necessitates canceling a course, all fees will be refunded.

**CONTINUING EDUCATION CREDIT/RECORD KEEPING:** CEU verification will be provided (by email following the program) only for those individuals completing/submitting a CEU card at the completion of the program. Credit will be appropriately adjusted for those individuals who do not attend the entire program. All attendees are encouraged to submit a CEU card which will ensure that a letter documenting attendance will be sent following the program. The University of Iowa College of Dentistry designates this activity for 6.5 hours continuing education credit (0.65 CEU).

**FOOTBALL TICKETS:** Full day course registrants will receive first priority for football ticket purchases. After that, tickets will be available on a first come, first served basis.

Tickets for Iowa vs. Penn State on 10/9/21 are available at \$100 each plus a \$1 per ticket handling fee (limit 2 tickets per registration). Ticket requests will be filled until supply is exhausted. To order tickets, you must register and prepay for the continuing education program. **Football tickets are going mobile this year. Your electronic football tickets will be texted/emailed to you prior to game day. You will need to display these items on your cell phone when you arrive on Saturday.** Tickets will not be mailed. Payment for tickets cannot be refunded except when ticket supply is exhausted during the pre-registration period. Tickets cannot be transferred with a registration to another course.

**HOUSING:** A limited number of rooms have been reserved at the:

**Heartland Inn**

87 Second Street, Coralville, IA 52241;

phone: 1.319.351.8132

Use the Code: UIDentAlumni (College of Dentistry);

release date 9/27/21

Please indicate that you are attending the College of Dentistry's continuing education program and designate the appropriate code when making your reservations. The rooms will be held until supply is exhausted or release dates as previously stated. It is the responsibility of registrants to reserve their own lodging.

**PARKING:** Parking is included with the course registration.

All registrants must be pre-registered to gain entrance to the Dental visitor's parking lot. Bring your course confirmation letter with you to ensure admittance to the lot. Otherwise, you may be directed to a remote lot.

**COMFORT ZONE:** Although every effort is made to have a comfortable temperature in the meeting room, we realize everyone's comfort zone is different. Please bring a jacket or sweater in case the room is too cool for your comfort.

**THANK YOU FOR PARTICIPATING** in our continuing dental education courses. We appreciate your support and interest in our dental programs. Your patronage allows us to provide the highest quality and most current education in dentistry. If you have any suggestions for the Office of Continuing Education or would like further information about our programs, please visit us online at [dentistry.uiowa.edu/ce](http://dentistry.uiowa.edu/ce) or contact:

**Ms. Amanda Shoemaker, Director**

Continuing Dental Education

The University of Iowa

346 Dental Science N

Iowa City, IA 52242-1010

(319) 335.7166

[amanda-shoemaker@uiowa.edu](mailto:amanda-shoemaker@uiowa.edu)

## IN-PERSON CE IS BACK!

## WE LOOK FORWARD TO SEEING YOU AT OUR FALL PROGRAMS!

**University of Iowa Nondiscrimination Statement**

The University of Iowa prohibits discrimination in employment, educational programs, and activities on the basis of race, creed, color, religion, national origin, age, sex, pregnancy, disability, genetic information, status as a U.S. veteran, service in the U.S. military, sexual orientation, gender identity, associational preferences, or any other classification that deprives the person of consideration as an individual. The university also affirms its commitment to providing equal opportunities and equal access to university facilities. For additional information on nondiscrimination policies, contact the Director, Office of Equal Opportunity and Diversity, the University of Iowa, 202 Jessup Hall, Iowa City, IA 52242-1316, 319-335-0705 (voice), 319-335-0697 (TDD), [diversity@uiowa.edu](mailto:diversity@uiowa.edu).

**University of Iowa Disability Statement**

Individuals with disabilities are encouraged to attend all University of Iowa-sponsored events. If you are a person with a disability who requires a reasonable accommodation in order to participate in this program, please contact Amanda Shoemaker in advance at 319-335-7166.

**The University of Iowa College of Dentistry is an ADA CERP Recognized Provider.**

ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry.

The University of Iowa College of Dentistry is a member of the Association for Continuing Dental Education.